



# Quick Setup Guide

## LH340 EDGE3 SERIES

DIGITAL VIDEO SURVEILLANCE RECORDER



### PACKAGE CONTENTS:

- 1 x EDGE3 Digital Video Recorder with Pre-Installed HDD\*
- 1 x USB Mouse
- 1 x Power Adapter
- 1 x Remote Control
- 1 x Ethernet Cable
- 1 x Flex IR Extender Cable
- 1 x Mounting Kit
- 1 x User's Manual & Quick Start Guide
- 1 x CD
- 2 x Octopus BNC Connector Cables (included only with 16 ch. DVR)

\* DVR model, number of channels/port configuration and HDD (hard disk drive) capacity may vary by model. Check your package for specific content information.

CHECK OUR WEBSITE FOR LATEST DVR SOFTWARE FIRMWARE UPGRADES, VIDEOS & DOCUMENTATION.  
[www.lorextechnology.com](http://www.lorextechnology.com)

### ATTENTION:

- This guide refers only to the DVR set-up. Monitors and cameras are not included. Unless purchased as a kit, see your specific package details.
- Broadband router and computer are required for local and remote monitoring (not included).

## It's all on the Web



\* For setup of Instant Mobile Viewing refer to your Instruction Manual.

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## BASIC SETUP

### STEP 1

BASIC INSTALLATION GUIDE  
Time: 20 Minutes | Hand Tools | Skills - Easy



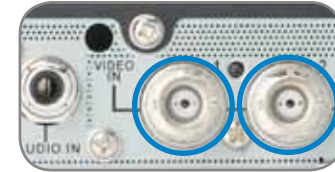
### Connecting Cameras (not included)

**NOTE:** the 8 channel model is shown

- 1 Connect BNC cameras to the BNC ports (**VIDEO INPUT**) on the rear panel.

**NOTE:** Test the cameras prior to selecting a permanent mounting location by temporarily connecting the cameras and cables to your DVR.

**16-CHANNEL:** Connect the Octopus BNC connector for channels 1-8 (included) to the Video IN CH 1~8 port on the rear panel of the DVR. Connect the Octopus BNC connector for channels 9-16 (included) to the Video IN CH 9~16 port. The label at the end of each connector indicates the channel number.



OCTOPUS CABLE

### Connecting the USB Mouse

- 2 Connect a USB mouse to one of the USB ports on the front of the system.



### Connecting a Monitor (not included)

(RECOMMENDED)

- 3a Connect an HDMI cable (not included) from your TV or monitor to the HDMI port on the rear panel of the DVR.



**NOTE:** The DVR cannot use multiple monitors at the same time.

OR

- 3b Connect a VGA cable (not included) from your monitor to the VGA port on the rear panel of the DVR.

(RECOMMENDED)



OR

### Connecting a Touch Monitor (not included)

(OPTIONAL)

- 3c This DVR features unique touch-screen navigation capabilities. It supports Windows 7® Touch compatible touch screen monitors without needing any additional configuration.

Connect the VGA or HDMI cable (not included) from the monitor to the VGA or HDMI port on the rear panel of the DVR.

AND

Connect a USB cable (not included) from the monitor to the USB port on the rear panel of the DVR.

**Power ON the Monitor.**



## BASIC SETUP

### STEP 1

Continued

BASIC INSTALLATION GUIDE  
Time: 20 Minutes | Hand Tools | Skills - Easy



### Connecting the Ethernet Cable

- 4 Connect one end of the Ethernet cable to an available LAN port of your router (not included) and the other end to the DVR's Network Port (LAN).



### Connecting the 'Flex' IR Extender (OPTIONAL)

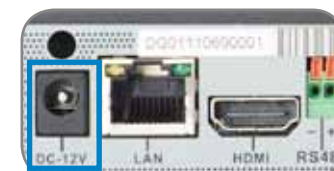
- 5 Connect the 'Flex' IR extender for the remote control to the 'Flex' IR extender port on the front panel of the system. Position the 'Flex' IR extender near the front of the monitor or where it will receive a clear signal.

**NOTE:** The Flex IR extender is not required to use the DVR. Use the Flex IR extender if you are installing the DVR somewhere it will not have line of sight to the remote control, such as in a cabinet or behind the monitor.



### Powering ON the DVR

- 6 Connect the power cable to the DC 12V port on the rear panel and the power cord into an electrical outlet. At startup, the system performs a basic system check and runs an initial loading sequence. After a few moments, it will load a live display view.



**NOTE:** Make sure all cameras and cables are properly connected prior to powering on the system. Ensure the display is connected and powered on. This allows the DVR to detect the best resolution for your display.

### Setting the Date & Time

- 7 1. Click **NEW** to open the Main Menu.
2. Click **SETUP** to open the Setup menu.
3. Click **Date/Time Setup**. The Date/Time Setup menu appears.
4. Configure the following:
  - **Date Mode:** Scroll up / down to select the date format you would like to use (**Y/M/D**, **D/M/Y**, or **M/Y/D**). The Date field automatically changes to the chosen format.
  - **Date:** Scroll up / down to manually select the date.
  - **Time:** Scroll up / down to manually select the time.
- NOTE:** The DVR displays time in 24-hour format.
5. Click **Exit/Update** to save your settings. The system returns to the Setup menu.
6. Right-click until all menus are closed. The date and time are displayed on the bottom-left corner of the screen.

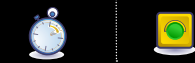
It is important to set the correct time to assure accurate time stamps on video recordings.



## NAVIGATION AND CONTROLS

### STEP 2

BASIC INSTALLATION GUIDE  
Time: 20 Minutes | Skills - Easy



### Using the Main Menu

- 1 Click **NEW**, OR press the button on the front panel of the DVR. Click on the icons below to open sub-menus.

- 1. Camera
- 2. Setup
- 3. Record
- 4. Alarm
- 5. Backup
- 6. LAN



### Using a Mouse

- 2 1. Left-Button: Click to select a menu option. While in Split-Screen mode (Live View or Playback), click on a camera to view the selected channel in full-screen.
2. Right-Button: Click to go back / exit menus.
3. Scroll-Wheel: Scroll up / down to change values in selected menu options or position markers in playback bar.

(RECOMMENDED)



### Password Wheel

- 3 The Password Wheel is used to input and change user IDs and passwords.

To enable/disable passwords:

1. Click **NEW** to open the **Main Menu**. Enter your user ID and password if needed.
2. Click **SETUP**. The Setup menu opens.
3. Click **DVR Password**. The DVR Password menu opens.



To use the Password Wheel:  
1. Click 0~9 to enter your user ID and password.

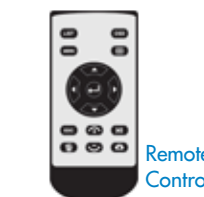
**NOTE:** You cannot select the options to the left of the Password Wheel (user ID, password)—you can only select the digits. If you make a mistake, simply right-click to exit or click **C** and re-select the option to try again.

**NOTE:** By default, passwords are disabled. With passwords enabled, you need to enter your user ID and password to access the system Main Menu, Event List, or Playback mode.

### Other Control Options



Front Panel Light Touch Controls (OPTIONAL)



Remote Control



Touch Screen (not included)

You have completed STEPS 1 & 2 successfully. Your DVR is now ready to use. Refer to the instruction manual to learn how to record, playback, search and for all other features available with this DVR.

## SET-UP LOCAL VIEWING ON YOUR COMPUTER

### STEP 3

BASIC INSTALLATION GUIDE  
Time: 30 Minutes | Hardware: PC/Router | Skills - Intermediate



### Retrieve the DVR Information

- 1 This step will provide information on how to locally view your DVR over the LAN (local area network) using your computer.

**NOTE:** This method only works if your computer is on the same network as the DVR.

In order to record your **IP** and **MAC** addresses, press the button on the front panel to bring up the System Information window.



### Record the information in the section below:

IP ADDRESS: \_\_\_\_\_  
MAC ADDRESS: \_\_\_\_\_  
(Required for DDNS registration)  
HTTP Port: \_\_\_\_\_

### Install Edge Client Software (ON YOUR LOCAL COMPUTER)

- 2 1. Insert the software CD into your computer. The Autoplay window opens.
2. Click **Run Lorex.exe**
3. Click **DVR Software** then **Edge Client Software**.
4. Follow the on-screen instructions to install.



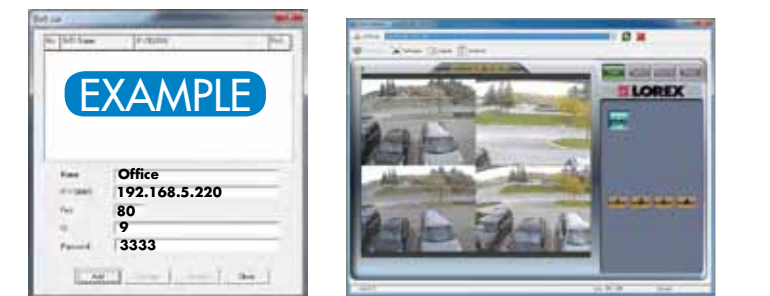
**NOTE:** Check the user's manual for how to install and use the Edge Client software for Mac computers.

### Setup Edge Lorex Client Software for Local Live Viewing

- 3 1. From the computer Desktop double-click Lorex Client. If a security warning appears, click Yes.
2. Click **DVR List**. The DVR list window opens.
3. Click **Add**.
4. Configure the following:
  - **Name:** Enter the name you would like to use for your DVR. You can use your name, your company or business name, or anything of your choice.
  - **IP / DDNS:** Enter the IP address from the System Information window (as recorded in Step 3-1)
  - **Port:** Enter the HTTP port (default: 80) from the System Information window.
  - **ID:** Enter the admin ID for local viewing (default: 9).
  - **Password:** Enter the admin password for local viewing (default: 3333).
5. Click **Change**. Then click **Close** to return to the main client window.

6. Select your DVR from the drop-down menu at the top of the screen and click to connect. Live video from your cameras will appear when the connection is successful.

**NOTE:** If there is no connection within 15 seconds, click and click again to refresh the connection.



**Congratulations!** You can now view & playback video on your PC via your LAN.



# INTERNET REMOTE MONITORING

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## STEP 4



## STEP 4 Continued

## STEP 4 Continued

## STEP 4 Continued

## STEP 4 Continued

### 1 Auto Port Forward Wizard

**NOTE:** You must be on the same network as the DVR when setting up the DDNS.

The Lorex Auto Port Forwarding Wizard is a software that automates router port forwarding.

You must have the following before you configure the software:

1. Your router's **model** and **version** numbers
2. Your router's **user name** and **password**
3. Your Lorex device's **IP** address (**recorded in Step 3-1**)
4. Your Lorex device's **port** numbers that require port forwarding (by default: 80)

### 2 Installation

1. Insert the software CD, and follow the instructions to launch the **Lorex Auto Port Forwarding Wizard** software.

**NOTE:** The Wizard is PC compatible only. Mac users, please go to Step 4-Optional (Manual Port Forward).

### 3 1: Populate the Router Database

The Auto Port Forwarding Wizard automatically populates a list of current routers, and detects the number of connected routers.



1. Click **Next** after the software detects your router configuration.

### 2: Enter your Router Settings

1. Under the Router drop-down list, select the model of your router **OR** click the **Search** button to enter the name of your router model.

**NOTE:** Ensure you select the proper model and firmware number of the router (as it appears on the back of the router)

**IMPORTANT:** Default ports that must be port forwarded for remote access:

Port 80 (HTTP Port)

**NOTE:** Click the **Try to Auto Detect** button if you have a Linksys or Netgear router (this works with most models).

2. Under **Router IP**, click the **Detect Router IP** button. The router's IP populates in the blank field.
3. Under **Username** and **Password**, enter the router's username and password.
4. Under **IP**, enter the IP address of your Lorex device as recorded in Step 3-1.
5. Under **Port**, enter the port number(s) that require forwarding (80).
6. Click **Next** to continue.



### 3: Update the Router Settings

1. Click the **Update Router** button. The program begins updating the router settings. This may take 20 - 30 seconds.
2. Close the **update** window when the update finishes.

**NOTE:** You may have to manually save your router settings after the software makes the required changes to your router.



### 4: Test your Connection

1. Click the **Test Connection** button. Your system's default browser opens and connects to your Lorex device.

**NOTE:** Ensure that Internet Explorer is your system's default internet browser.

### 4 OPTIONAL: Manual Port Forward

If you were unable to port-forward your router automatically using the wizard, you will need to manually forward port 80 to your DVR's IP address.

All routers are different. To port forward your router, please refer to your router's user manual.

An example of a port forwarding screen is shown for illustration purposes.

#### EXAMPLE

Port Range					
Application	Start	End	Protocol	IP Address	Enable
HTTP	80	to 80	Both	192.168.1.12	<input checked="" type="checkbox"/>

### 5 DDNS (Dynamic Domain Name System) Set-up

Open your web browser (Internet Explorer by default) and enter <http://www.lorexddns.net> in the address bar.

<http://www.lorexddns.net>



### 6 Create an Account

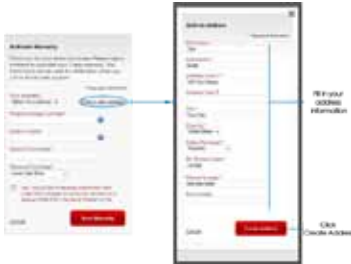
1. Click **Step 1**
2. Create a new My Lorex account or sign in using an existing account.



### 7 Complete New Account Information

**NOTE:** Warranty Registration is required for DDNS.

1. Click **Warranties**.
2. Click **Activate Warranty**.
3. Under Your Address, select an address or click **Enter a New Address** to create a new address. Fill in your address information and click **Create Address**.



4. Fill in the warranty registration form with your product and purchase details and click **Save Warranty**. Check the sticker underneath your DVR for the Product Model Number and Serial Number.



5. Click **Set Up a New DDNS**.



6. Fill out the My DDNS form:

#### • Product Warranty:

Select the product warranty you created in the previous steps.

- **Device Name:** Enter a name for your device. You can enter your name, business name, or anything of your choice.
- **MAC Address:** Enter the MAC address of your Lorex system recorded in Step 3-1.
- **URL Request:** Enter the web site address that will be used to connect to your Lorex system.

**NOTE:** URL Request should not be more than 15 characters.

7. Click **Save** to register your product for DDNS. A DDNS registration confirmation email will be sent to the email address used to register for My Lorex.



### 8 Registration E-mail

An automated **REGISTRATION CONFIRMATION E-MAIL** will be sent to your email. Print and save this confirmation. You will need to enter it into your system to enable remote access.

Domain Name/URL Request: tomsmith

DDNS User Name: tomsmith

DDNS Device Password: (your password)

EXAMPLE

### 9 Enable DDNS on the DVR



To enable DDNS on your DVR:

1. Open Edge Client Software and click the **Setup** button.
2. Open the **DDNS** tab.
3. Configure the following:

- **Under DDNS Select**, select <http://www.lorexddns.net> from the drop-down.

- **DDNS User Name:** Enter the **DDNS User Name** from the confirmation email that was sent to you after you created your DDNS account.

- **DDNS Password:** Enter the **Device DDNS Password** from the confirmation email.

- **DDNS Domain Name:** Enter the **Domain name/URL Request** from the confirmation email.

5. Click **Apply** to save your changes.

**NOTE:** Please allow 10~15 minutes for the DDNS servers to update with your new DDNS address before attempting to connect.

### Install Edge Client Software (ON YOUR REMOTE COMPUTER)

10. Insert the software CD into your remote computer. The Autoplay window opens.
2. Click **Run Lorex.exe**
3. Click **DVR Software** then **Edge Client Software**.
4. Follow the on-screen instructions to install.



**NOTE:** Check the instruction manual for how to install and use the Edge Client software for Mac computers.

### Update Lorex Edge Client 12 Software for Remote Viewing

11. To add a new entry to your DVR list using the DDNS address:
  1. Open the Edge Lorex Client 12 software and click **DVR List**. The DVR List window opens.

2. Click **Add**.

3. Configure the following:

- **Name:** Enter the name you would like to use for your DVR. You can use your name, your company or business name, or anything of your choice.

- **IP/DDNS:** Enter the **Domain Name/URL Request** followed by **.lorexddns.net** For example, if the Domain Name/ URL Request is tomsmith, enter **tomsmith.lorexddns.net**

- **Port:** Enter the HTTP port (default: 80) from the System Information window.

- **ID:** Enter the admin ID for remote viewing (default: 9).

- **Password:** Enter the admin password for remote viewing (default: 3333).

4. Click **Change** to save your settings. Then click **Close** to return to the client window.

6. Select your DVR from the drop-down menu at the top of the screen and click to connect. Live video from your cameras will appear when the connection is successful.

**NOTE:** If there is no connection within 15 seconds, click and click again to refresh the connection.

**NOTE:** Certain ISP (Internet Service Providers) block port 80. If you are unable to connect, check with your ISP and consult with the instruction manual for instructions on changing the HTTP port. Make sure to port forward your revised HTTP port.



#### REMOTE LIVE SITE

Congratulations! You have completed Step 4 successfully. You can now connect over the internet to view, set up & back up video from your DVR.



INSTANT  
MOBILE  
VIEWING

For Remote Connectivity using compatible Smartphones and Tablets, refer to the Instruction Manual. Make sure to complete Step 4 entirely.

To connect using Mac, refer to the Instruction Manual.